

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A system for providing a plurality of sets of broadcast data service data transmitted together with broadcast digital television data as part of a broadcast signal, comprising:

a processor configured to periodically extract all of the plurality of sets of the broadcast data service data from a broadcast carousel included in the broadcast signal;

a memory configured to store all of the current plurality of sets of the broadcast data service data; the broadcast data service data defining a plurality of digital audio/video data sets, the digital audio/video data sets including television clips, at least some of the sets of the plurality of sets of the broadcast data service data being transmitted according to an alternative protocol to that used for the digital television data;

a display configured to provide a list of a plurality of sets of the digital audio/video data sets; and

a controller responsive to a user initiated selection signal to cause the memory to output a user selected one of the plurality of digital audio/video data sets selected from the list simultaneously with continued receipt of the broadcast digital television data, the selected one of the broadcast data service data plurality of sets having digital audio/video data in non-real time, the selection signal being provided at any time during receipt of the broadcast digital television data and independently of the broadcast digital television data and the controller is responsive at any time during receipt of the broadcast digital television data and independently of the broadcast digital television data to output said selected portion;

wherein the processor converts the digital audio/video data of the plurality of sets of the broadcast data service data into real time audio/video data.

Claim 2 (Previously Presented): The system according to Claim 1, wherein the digital audio/video data of the plurality of sets of the broadcast data service is compressed and the processor decompresses the plurality of sets off-line.

Claim 3 (Previously Presented): The system according to Claim 2, wherein the processor processes the plurality of sets of the broadcast data service data at times of low usage.

Claim 4 (Previously Presented): The system according to Claim 1, wherein the processor operates directly on the broadcast data service data loaded locally from the memory in small chunks.

Claim 5 (Previously Presented): The system according to Claim 1, wherein the processor operates in a batch processing method with broadcast data service data loaded locally from the memory in small chunks.

Claim 6 (Previously Presented): The system according to Claim 1, wherein digital audio/video data of the plurality of sets of the broadcast data service are compressed and the processor conducts decompression using a predefined protocol.

Claim 7 (Previously Presented): The system according to Claim 1, wherein the digital audio/video data of the plurality of sets of the broadcast data service data is compressed and the processor conducts decompression using a downloaded protocol.

Claim 8 (Previously Presented): The system according to Claim 1, wherein the processor conducts off-line decryption of the broadcast data service data using a key.

Claim 9 (Previously Presented): The system according to Claim 1, wherein the memory is a magnetic hard disk drive or a semiconductor memory.

Claim 10 (Previously Presented): The system according to Claim 1, further comprising a digital television receiver for providing the broadcast signal to the processor.

Claim 11 (Previously Presented): The system according to Claim 10, wherein the system is a single integral unit.

Claim 12 (Previously Presented): The system according to Claim 10, wherein at least the memory is separate from the digital television receiver and linked by means of a network connection.

Claim 13 (Previously Presented): The system according to Claim 10, wherein the digital television receiver selectively provides digital television data for display and wherein the processor extracts the sets of the plurality of sets of the broadcast data service data irrespective of that display.

Claim 14 (Previously Presented): The system according to Claim 1, wherein the controller is also configured to identify corresponding extracted and stored sets of the plurality of sets and replaces sets in the memory with respective sets extracted from the broadcast signal.

Claim 15 (Previously Presented): The system according to Claim 14, wherein, if periodically, the broadcast signal includes all of the plurality of sets of the broadcast data service, the controller can store all of the received plurality of sets in the memory.

Claim 16 (Previously Presented): The system according to Claim 14, wherein the controller accesses an additional data channel to obtain and store in the memory all of the sets of the plurality of sets of the broadcast data service.

Claims 17-23 (Cancelled).

Claim 24 (Previously Presented): The system according to Claim 12, wherein the network connection is an IEEE 1394 interface.

Claim 25 (Previously Presented): The system according to Claim 1, wherein the digital television data is converted into real time audio/video data and transmitted in packets generated according to an MPEG standard.

Claim 26 (Cancelled).

Claim 27 (Previously Presented): The system according to Claim 25, wherein the MPEG standard is an MPEG2 standard.

Claims 28 and 29 (Cancelled).

Claim 30 (New): A system for providing a plurality of sets of broadcast data service data transmitted together with broadcast digital television data as part of a broadcast signal, comprising:

a processor configured to periodically extract all of the plurality of sets of the broadcast data service data from a broadcast carousel included in the broadcast signal;

a memory configured to store all of the current plurality of sets of the broadcast data service data; the broadcast data service data defining a plurality of digital audio/video data sets, the digital audio/video data sets including television clips;

a display configured to provide a list of a plurality of sets of the digital audio/video data sets; and

a controller responsive to a user initiated selection signal to cause the memory to output a user selected one of the plurality of digital audio/video data sets selected from the list simultaneously with continued receipt of the broadcast digital television data, the selected one of the broadcast data service data plurality of sets having digital audio/video data, the digital audio/video data of the broadcast data service data being configured in the broadcast signal for reception at a rate slower than an audio/video replay rate for the selected set, the selection signal being provided at any time during receipt of the broadcast digital television data and independently of the broadcast digital television data and the controller is responsive at any time during receipt of the broadcast digital television data and independently of the broadcast digital television data to output said selected portion;

wherein the processor converts the digital audio/video data of the plurality of sets of the broadcast data service data into real time audio/video data having a real time audio/video replay rate.

Claim 31 (New): The system according to Claim 30, wherein at least some of the sets of the plurality of sets of the broadcast data service data are transmitted according to an alternative protocol to that used for the digital television data.